

Resilience and Adaptation to Climate Risks Workshop:

Stennis Space Center Area

October 16-18, 2012

Roy Estess Administration Building
1100 Balch Boulevard
Logtown Conference Room
Stennis Space Center, MS 39529

Tuesday, October 16, 2012 (8:30 – 4:30)

Welcome and Introductory Remarks (8:30 – 9:00)

- Mark Glorioso, Center Operations Director, Stennis Space Center
- Olga Dominguez, Assistant Administrator, NASA Headquarters, Office of Strategic Infrastructure
- Jack Kaye, Ph.D., Associate Director for Research within NASA-HQ's Earth Science Division and Cynthia Rosenzweig, Ph.D., Leader of the Climate Impacts Research Group at NASA's Goddard Institute for Space Studies and Co-Chair New York City Panel on Climate Change
- Duane Armstrong, Chief, Applied Science & Technology Project Office, Stennis Space Center

Workshop Purpose and Outcomes (9:00 – 10:00)

- Why Are We Here? Sam Higuchi, J.D., Staff Engineer, NASA HQ, Environmental Management Division
- What Are We Going to Do? Christina Hudson, NASA HQ Contractor, Science Applications International Corporation

Break (10:00 – 10:20)

Stennis Space Center System Overviews (10:20 – 10:45)

- Built Systems Mike Killam, Deputy, Operations & Maintenance Division, Stennis Space Center
- Natural Resource Systems David Lorange, Manager, Environmental Officer, Stennis Space Center
- People / Community Systems Ron Magee, Assistant to the Director of Center Operations, Stennis Space Center

Climate Conversation (10:45 – 11:30)

Olga Dominguez and Cynthia Rosenzweig, Ph.D.

LUNCH (11:30 – 12:30)

Hurricanes and Storm Surge (12:30 – 1:45)

An Analysis of Historical Storm Surge Activity along the U.S. Gulf Coast (12:30 – 1:00)

Hal Needham, Research Associate, Department of Geography and Anthropology, Louisiana State University

Modeling of Storm Surge & Hurricanes at Stennis (1:00 – 1:15)

Bill Graham, Project Manager/Scientist, NASA Applied Science & Technology Program Office, Stennis Space Center

Vulnerability of Hurricane Evacuation and Return Routes (1:15 – 1:45)

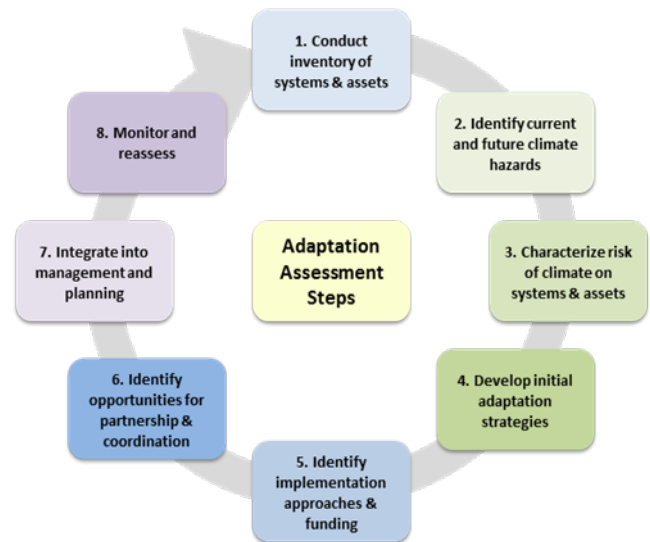
Troy Frisbie, Construction of Facilities Planning Team Lead & Richard Brown, Senior Scientist/Applications Visualization Lead, Stennis Space Center

Breakout Session #1 – Characterize Risk of Climate on Systems & Assets (1:45 – 4:30)

- What are we going to do in Breakout Session #1? Christina Hudson
- Convene in breakout groups: “Built Systems,” “Natural Resource Systems” and “People / Community Systems”

Break (2:20 – 2:40)

Adjourn (4:30)



1. Conduct inventory of systems & assets

2. Identify current and future climate hazards

3. Characterize risk of climate on systems & assets

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General Session. *Breakout Session #1 Presentations & General Discussion* (8:30 – 9:30)

Climate Assessment & Adaptation in Practice (9:30 – 11:30)

Thinking Adaptation? (9:30 – 10:00)

Lynne Carter, Ph.D, Associate Director, Southern Climate Impacts Planning Program and Coastal Sustainability Studio, Louisiana State University

Break (10:00 – 10:25)

Climate Activities in the Region: How Are Local Communities Adapting? (10:25 – 11:05)

Tracie Sempier, Coastal Storms Outreach Coordinator, Mississippi Alabama Sea Grant Consortium

So, What's Next? Post-Workshop Experiences from NASA Johnson (11:05 – 11:30)

Joel Walker, Center Operations Director, NASA Johnson Space Center

LUNCH (11:30 – 12:30)

Climate Assessment & Adaptation in Practice cont. (12:30 – 1:30)

Human Health Effects of a Changing Climate (12:30 – 1:00)

Paul Schramm, Public Health Scientist, Climate and Health Program, National Center for Environmental Health, Centers for Disease Control & Prevention

Electric Reliability & Hurricane Preparedness Plan (1:00 – 1:30)

Joe Bosco, Account Executive, Mississippi Power Company

Breakout Session #2 – *Develop Potential Adaptation Strategies* (1:30 – 4:30)

- What are we going to do in Breakout Session #2? *Christina Hudson*
- Convene in breakout groups: “Built Systems,” “Natural Resource Systems” and “People / Community Systems”

Break (2:00 – 2:20)

Adjourn (4:30)

4. Develop initial
adaptation
strategies

5. Identify
implementation
approaches &
funding

6. Identify
opportunities for
partnership &
coordination

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General Session. *Breakout Session #2 Presentations & General Discussion* (8:30 – 9:15)

Climate Risks and the Center's Risk Management Process (9:15 – 9:35)

Gigi Savona, NASA Risk Program Manager, Stennis Space Center

Breakout Session #3 – *Integration & Implementation Approaches* (9:35 – 11:00)

- What are we going to do in Breakout Session #3? *Christina Hudson*
- Convene in workgroups: **Plan or Process Communities of Practice** – e.g., energy, utilities, master planning, information technology, research facilities, operations & maintenance, natural resource management, remediation, hazardous chemicals and waste, human capital management, health & safety, emergency management, transportation, climate scientists, policy makers, etc.

7. Integrate into
management and
planning

Break (10:00 – 10:20)

General Session. *Breakout Session #3 Presentations & General Discussion* (11:00 – 11:45)

Concluding Remarks and Next Steps (11:45 – 12:00)

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